

09326500 FERRON CREEK (UPPER STATION) NEAR FERRON, UT

LOCATION.--Lat 39°06'15", long 111°12'57", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 2, T. 20 S., R. 6 E., Emery County, Hydrologic Unit 14060009, on right bank 1.8 mi upstream from Dry Wash and 4.5 mi west of Ferron.

DRAINAGE AREA.--138 mi².

PERIOD OF RECORD.--May 1911 to September 1923, October 1947 to current year. Monthly discharge only for some periods, published in WSP 1313.

Records for station at site 2 mi downstream published as Ferron Creek near Ferron, April 1909 to October 1911, not equivalent because of diversions 1.5 mi downstream from present site.

REVISED RECORDS.--WSP 1243: 1951(P). WSP 1313: 1920(M).

GAGE.--Water-stage recorder. Elevation of gage is 6,210 ft above NGVD of 1929, from topographic map. May 6, 1911 to September 30, 1923, nonrecording gages in vicinity of present site at different datums. December 19, 1947 to September 30, 1966, at site 1.5 mi downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Slight regulation by small reservoir above station (capacity not known). Small diversions above station for irrigation, including a transmountain diversion to tributary of San Pitch River (Sevier Lake basin). Greater part of flow diverted during irrigation season by Upper North and Upper South Canals, 1.5 mi below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 4,180 ft³/s, Aug 27, 1952, gage height, 9.71 ft, site and datum then in use, from rating table extended above 400 ft³/s, on basis of slope-area measurements at gage heights, 8.70 ft and 9.71 ft, site and datum then in use; no flow Oct 19, 20, 21, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 29	1815	*695	*5.29				

Minimum daily discharge, 4.7 ft³/s, Dec 26.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	8.8	e5.8	e5.5	5.9	e5.2	26	44	470	69	37	23
2	17	6.5	e5.7	e5.0	5.7	e5.4	20	44	446	65	37	17
3	28	5.2	e5.7	e5.2	e5.6	e5.6	13	50	395	61	44	15
4	22	e5.0	e5.9	e5.2	e6.1	5.6	8.5	49	354	58	35	14
5	22	e6.0	e6.1	e5.3	e6.0	e5.6	10	47	322	56	33	15
6	21	e7.0	e6.3	e5.4	e5.8	5.7	9.6	42	277	54	32	20
7	20	e8.0	e6.0	e5.6	e5.4	5.6	9.1	42	263	53	33	17
8	20	9.0	e5.8	e5.5	e5.0	6.1	8.9	43	251	51	39	12
9	19	32	e5.6	e5.4	e5.4	6.6	14	42	233	50	36	14
10	18	12	e5.4	e5.5	e5.4	7.2	24	39	219	48	33	22
11	17	9.8	e5.4	e5.7	e5.5	12	33	40	204	47	32	17
12	14	9.5	e5.7	e5.5	e5.3	17	36	48	194	45	31	15
13	13	9.1	e5.5	e5.5	e5.2	23	40	68	179	44	31	14
14	13	8.5	e5.5	e5.3	e5.1	19	38	82	168	42	30	14
15	12	e8.0	e6.0	e5.5	e5.0	11	31	108	158	41	33	14
16	10	e7.4	e6.0	e5.5	e5.1	10	22	151	151	41	52	14
17	9.8	e7.4	e6.4	e5.2	e5.2	11	25	175	142	40	32	13
18	9.5	e7.6	e6.0	e5.2	5.2	8.1	25	229	135	42	28	13
19	8.9	e7.6	e5.5	e5.2	e5.2	7.8	22	250	129	46	27	13
20	8.5	e7.8	e5.5	e5.4	e5.2	8.4	22	276	122	44	26	13
21	8.7	8.0	e5.0	e5.2	5.2	9.1	28	314	115	48	27	13
22	10	8.2	e5.0	e5.2	5.3	11	29	379	108	44	32	12
23	10	8.2	e5.3	e5.4	e5.1	20	24	432	102	44	33	12
24	9.0	8.1	e5.1	e5.6	e5.1	18	29	440	101	55	29	12
25	8.8	7.9	e5.1	e5.7	5.2	13	46	446	95	45	27	14
26	9.8	e7.0	e4.7	e5.5	5.2	15	57	481	88	42	23	13
27	9.4	e6.0	e4.9	e5.6	e5.1	12	59	535	84	40	21	12
28	8.3	e6.4	e5.2	e5.6	e5.0	8.4	60	532	79	40	22	12
29	8.0	e6.6	e5.2	e5.6	---	8.2	57	530	77	40	17	12
30	6.1	e6.1	e5.0	e5.4	---	11	50	493	73	38	25	12
31	7.3	---	e5.3	e5.7	---	22	---	462	---	37	24	---
TOTAL	411.1	254.7	171.6	168.1	149.5	333.6	876.1	6,913	5,734	1,470	961	433
MEAN	13.3	8.49	5.54	5.42	5.34	10.8	29.2	223	191	47.4	31.0	14.4
MAX	28	32	6.4	5.7	6.1	23	60	535	470	69	52	23
MIN	6.1	5.0	4.7	5.0	5.0	5.2	8.5	39	73	37	17	12
AC-FT	815	505	340	333	297	662	1,740	13,710	11,370	2,920	1,910	859

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912-23, 1948-2003, BY WATER YEAR (WY)

MEAN	18.0	13.7	10.7	9.08	10.1	14.0	44.4	221	286	97.0	40.9	24.1
MAX	70.2	32.2	21.5	19.7	30.4	26.7	128	486	732	404	128	51.0
(WY)	(1917)	(1985)	(1985)	(1998)	(1998)	(1998)	(1985)	(1952)	(1984)	(1983)	(1983)	(1952)
MIN	7.59	6.40	4.27	3.00	4.61	5.02	13.7	44.8	40.3	17.2	12.0	9.30
(WY)	(1960)	(1995)	(1963)	(1963)	(1978)	(1977)	(1967)	(1977)	(1977)	(1977)	(1977)	(1994)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1912-23, 1948-2003	
ANNUAL TOTAL	11,281.9		17,875.7		65.9	
ANNUAL MEAN	30.9		49.0		17.6	
HIGHEST ANNUAL MEAN					140	1984
LOWEST ANNUAL MEAN					17.6	1977
HIGHEST DAILY MEAN	212	May 18	535	May 27	1,240	Jun 7, 1984
LOWEST DAILY MEAN	4.7	Dec 26	4.7	Dec 26	1.0	Mar 22, 1912
ANNUAL SEVEN-DAY MINIMUM	5.0	Dec 21	5.0	Dec 21	2.6	Jan 4, 1960
ANNUAL RUNOFF (AC-FT)	22,380		35,460		47,720	
10 PERCENT EXCEEDS	96		118		193	
50 PERCENT EXCEEDS	13		13		18	
90 PERCENT EXCEEDS	6.4		5.3		8.0	

e Estimated

